

**FIG.** 2

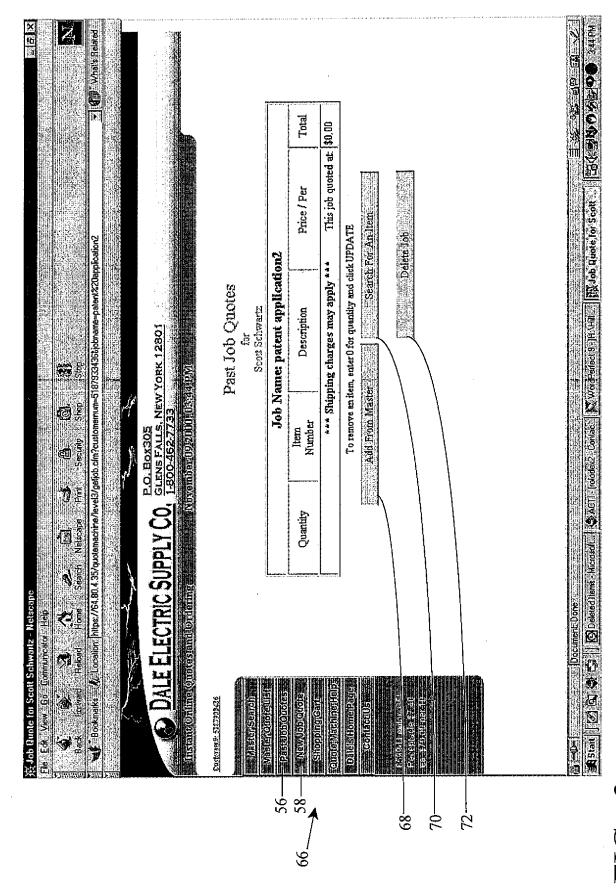


FIG. 3

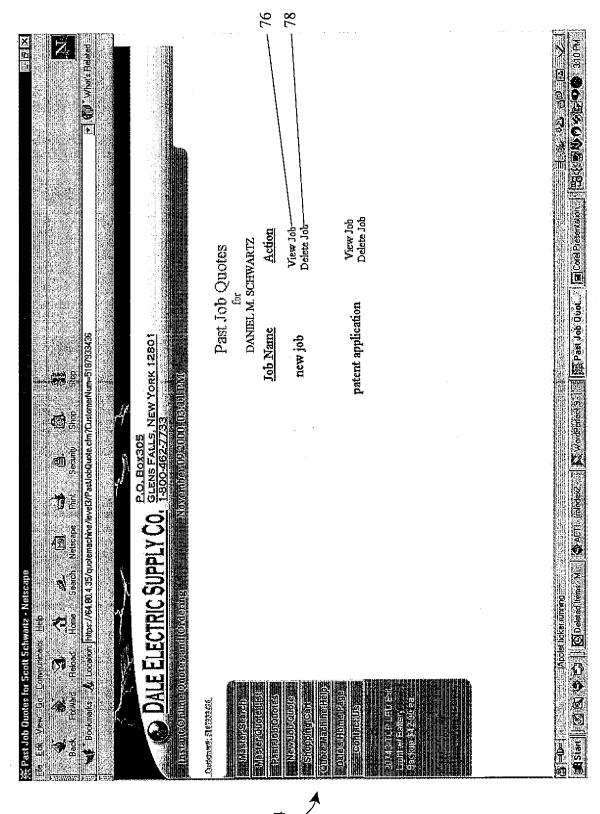
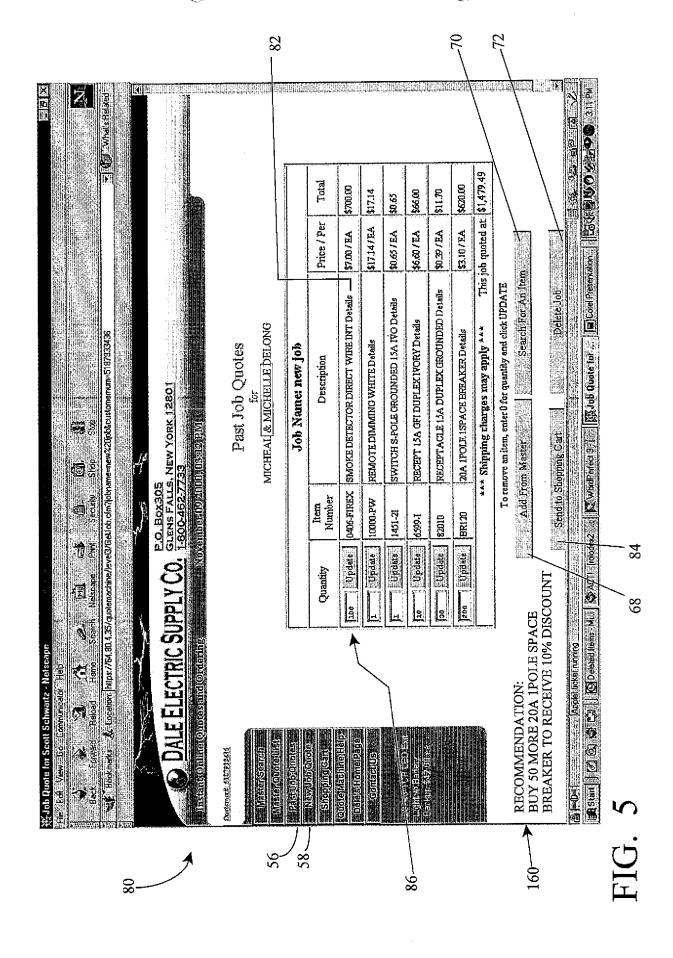


FIG. 4



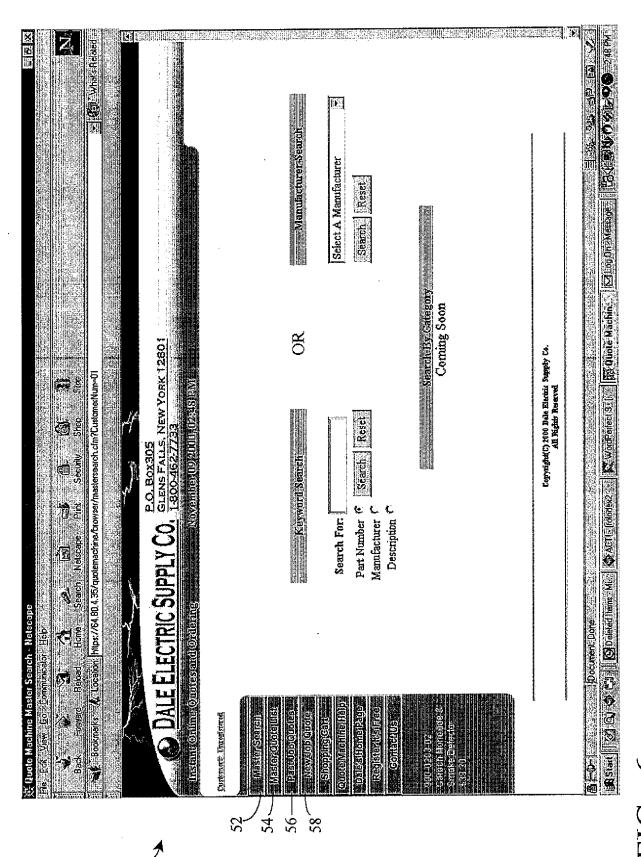


FIG. 0

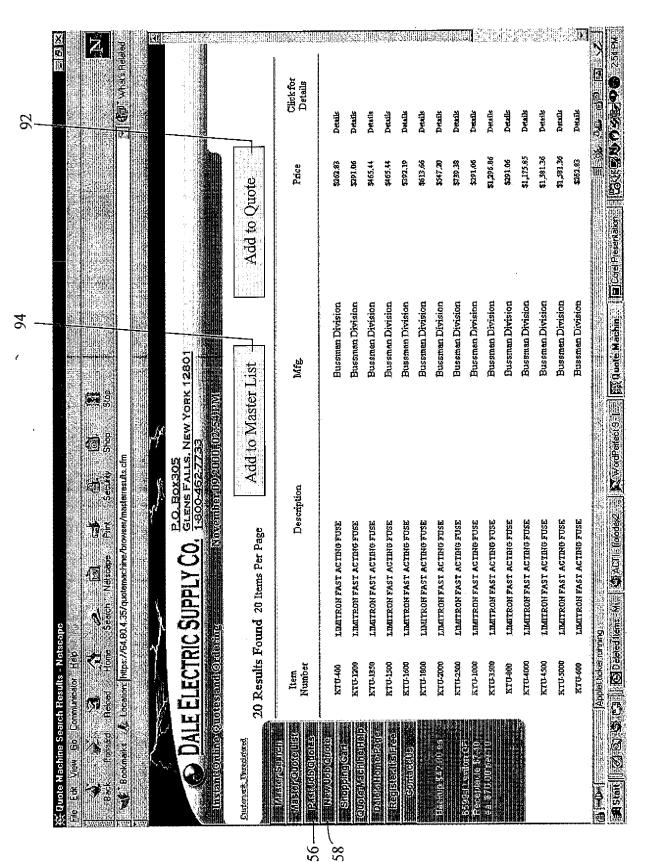


FIG. 7

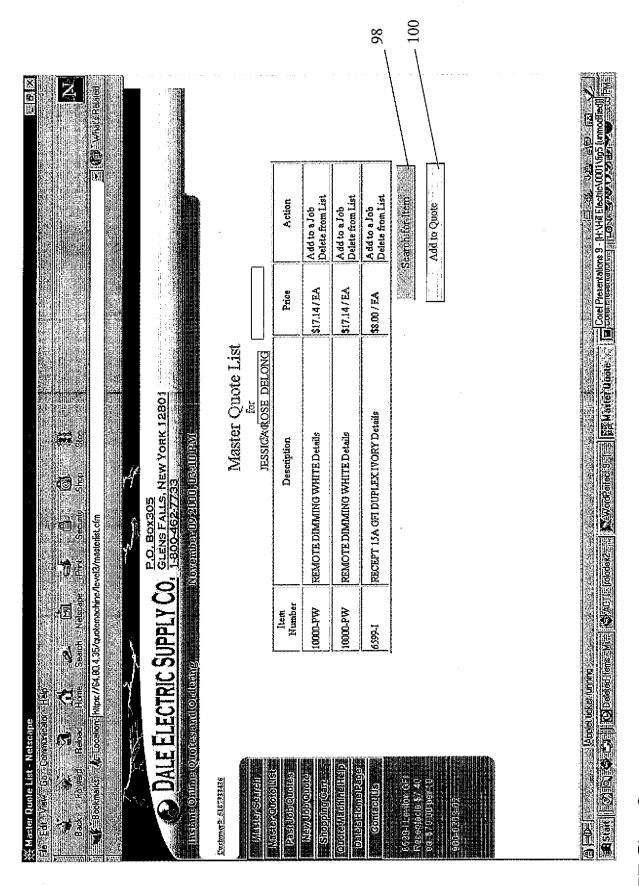


FIG. 8

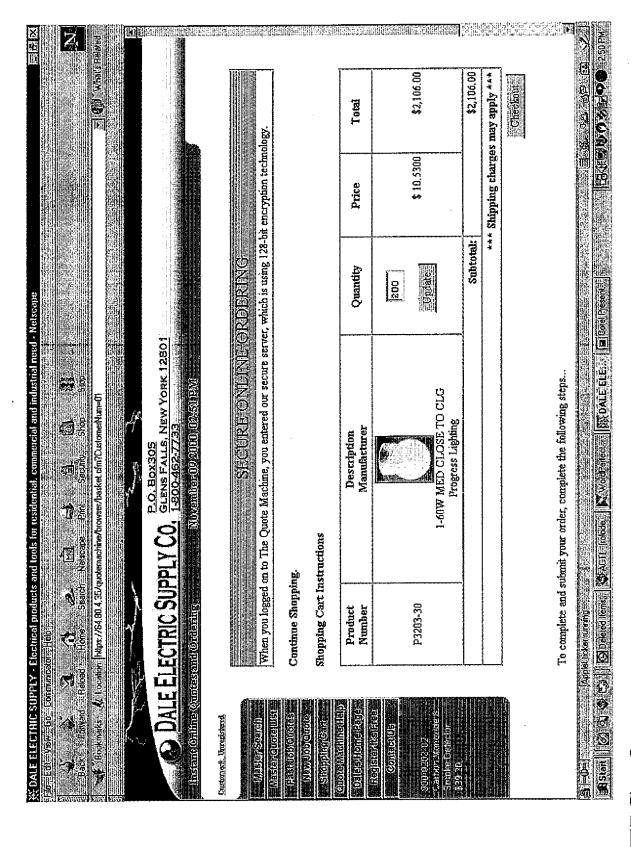


FIG. 9

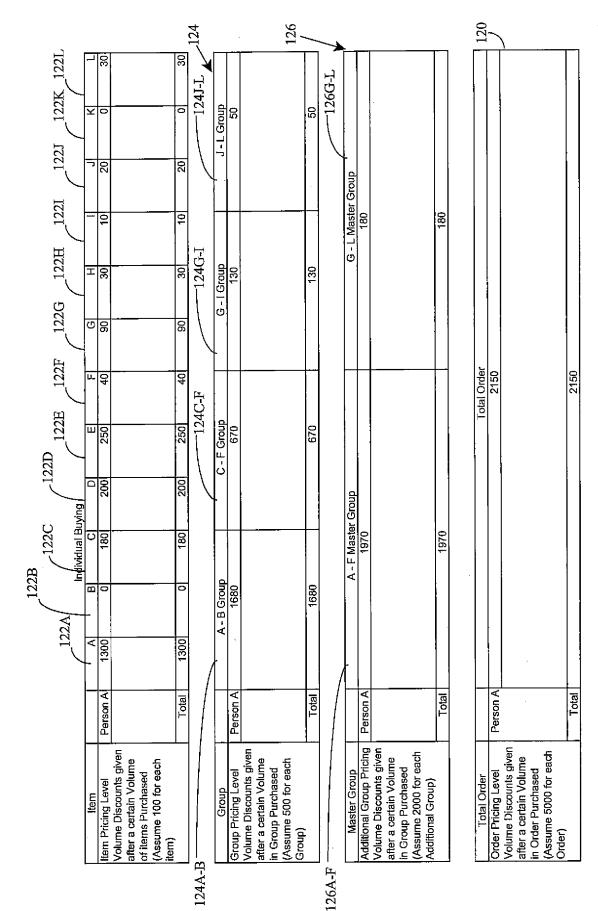


FIG. 10

		O	Co-op Buying	-									•
Item		₹	В	ပ	۵	Ш	Ш.	ŋ	I	1	7	×	
fem Pricing Level	Person A	1300	0	180	200	250	40	06	30	10	20	0	30
Volume Discounts given		100	1000	0	0	0	0	0	0	0	0	0	0
after a certain Volume	Person C	300	0	20	20	0	0	0	20	20	0	0	100
of items Purchased	Person D	200	20	30	40	06	0	200	o	10	10	20	100
Assume 100 for each	Person E	200	100	0	0	0	20	0	200	40	80	20	70
tem)					_		, ,						
	Total	2400	1150	260	290	340	06	290	780	110	110	100	300

Group		Coop A - C Group	Coop D - F Group	Coop G - I Group	Coop J - L Group
Group Pricing Level	Person A	1480	490	130	50
iven	Person B	1100	.   0	0	0
after a certain Volume	Person C	350	20	100	100
in Group Purchased	Person D	580	130	510	160
(Assume 500 for each	Person E	300	20	740	200
Group)					
	Total	3810	720	1480	510

Coop G - L Master Group	180	0	200	0.29	940		1990
Coop A - F Master Group	1970	1100	400	710	350		4530
-	Person A	en Person B					Total
Master Group	Additional Group Pricing Person A	Volume Discounts given	after a certain Volume	in Group Purchased	(Assume 2000 for each	Additional Group)	

Total Order		Coop Total Order
Order Pricing Level	Person A	2150
듰	Person B	1100
after a certain Volume	Person C	
in Order Purchased	Person D	1380
(Assume 5000 for each	Person E	1290
Order)		
	Total	6520

FIG. 11

	12 م	2A _122	LB _122	C /12	2D /122	E _12	2F _12	2G /122	Н _122	12	2J / 12	<sup>12K</sup> / 122	L 122N
Nem Unit	I A	1 1	<del>'</del> - cl	<del> '</del> ы		FI	—' G	<u> </u>	· I	<del></del>	- к	<u> </u>	М
Hem Chit	1	- 1				-							
Each Price (Dollars)	10	11	12	150	250	200	600		400	20	40	60	500
Each Weight (Pounds)	1	2	1	10	12	11	50	45	30	100	120	130	25
0 0 0 0	10		4		1		4	10	3	100	0	50	1
Quantity Ordered  Dollars Ordered	100	5 55	48	450	250	<del></del>		7600	1200	2000	Ö		500
Weight Ordered	10	10	4	30	12	Ö		450	90	10000	0		25
Troight Creator	<u> </u>												
Item Volume Measurement	\$\$\$	\$\$\$	\$\$\$	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Pounds	Pounds	Pounds	Quantity
								5	5	1000	2000	1000	5
First Item VDT	100	100	100 125	5 10		10 20	<u>5</u>		10	2000		5000	10
Second Item VDT	150 200	175 225	150	30	25	50	25		30	5000	10000	10000	20
Third Item VDT	200	2231	100	- 05									
Total Item Volume Ordered	100	55	48	3	1	0	4	10	3	10000			1
Item Volume Threshhold Obtained	1st	None	None	None	None	None	None	2nd	None	3rd	None	2nd	None
								-224A-C					
	<u> </u>	0.0	<del></del>		E Crous			-224A-C					
Second/Junior Group Unit	<del>  A</del> .	- C Group	_	<u> </u>	- F Group	——. <u>-</u> -	$\overline{}$	2045 5					
Quantity Ordered		19			4	-	`	–224D-F			'		
Dollars Ordered	<b>-</b>	203	-		700								
Weight Ordered		24			42								
Group Volume Measurement		5\$\$			\$\$\$								
First Junior Group VDT		200			500								
Second Junior Group VDT		500			1000								
Third Junior Group VDT	ļ <del></del>	1000			1500								
Total Group Volume Ordered	-	203			700								
Junior Group VDT Obtained	<del> </del> -	1st			1st					-124G-I		124J-L	
Suitor Group VET Obtained							124	A-F		-124G-1		-124J-L	
						_			_				
									<u> </u>				
First/Senior Group Unit			A-FG	roup				- I Group	$\subseteq$	J	- L Group		
				iroup		=	<u> </u>		$\subseteq$	J			
Quantity Ordered			23	iroup			G	17		J	150		
Quantily Ordered Dollars Ordered			23 903	iroup				17 11100		J	150 5000		
Quantity Ordered			23	iroup				17			150		
Quantity Ordered Collars Ordered Weight Ordered			23 903 66	Froup			G	17 11100 740		J	150 5000 16500		
Quantily Ordered Dollars Ordered			23 903	roup			G	17 11100		J	150 5000 16500 Pounds		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement		144	23 903 66	roup			G	17 11100 740 Quantity		J	150 5000 16500 Pounds		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT			23 903 66 \$\$\$ 800 1500	Froup			G	17 11100 740 Quantity 15 30			150 5000 16500 Pounds 5000 18000		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT			23 903 66 \$\$\$	гоир			G	17 11100 740 Quantity			150 5000 16500 Pounds		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT			23 903 66 \$\$\$ 800 1500 2000	гоир			G	17 11100 740 Quantity 15 30 100		J	150 5000 16500 Pounds 5000 10000 50000		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank			23 903 66 \$\$\$ 800 1500 2000	Sroup			G	17 11100 740 Quantity 15 30 100		J	150 5000 16500 Pounds 5009 10000 50000		
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank			23 903 66 \$\$\$ 800 1500 2000	iroup			G	17 11100 740 Quantity 15 30 100		J	150 5000 16500 Pounds 5000 10000 50000		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank			23 903 66 \$\$\$ 800 1500 2000	iroup			G	17 11100 740 Quantity 15 30 100		J	150 5000 16500 Pounds 5009 10000 50000		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank			23 903 66 \$\$\$ 800 1500 2000	iroup			G	17 11100 740 Quantity 15 30 100		J	150 5000 16500 Pounds 5000 13000 50000 10 20 30		
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank			23 903 66 \$\$\$ 800 1500 2000	roup			G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 5000 10000 50000 1D 20 30		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank Total Group Volume Ordered			23 903 66 \$\$\$ 800 1500 2000 1 3 5	iroup			G	17 11100 740 Quantity 15 30 100 5 10 15		J	150 5000 16500 Pounds 5000 13000 50000 10 20 30		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT Third VDT Rank Second VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5	iroup			G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 5000 10000 50000 1D 20 30		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Trial Group Volume Ordered Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5				G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 5000 10000 50000 1D 20 30		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT Third VDT Rank Second VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		- I Master G	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Trird VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained Master Group Unit			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5			roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained Master Group Unit Quantity Ordered			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT Third Senior Group VDT Third Senior Group VDT Tollar Group VDT Tollar Group VDT Tollar Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Mester Group Unit Quantity Ordered Dollars Ordered			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained Master Group Unit Quantity Ordered			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered First Master Group RDT			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered First Master Group RDT Third Mester Group RDT			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 806 5 10 20	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshnold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered First Master Group RDT Second Master Group RDT Third Master Group RDT Mester Group RDT Mester Group RDT Mester Group RDT Mester Group RDT			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 806 10 20	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	1500 5000 16500 Pounds 50000 10000 50000 1D 20 300 16500 2nd		
Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered First Master Group RDT Third Mester Group RDT			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 806 5 10 20	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20		
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered First Mester Group RDT Second Master Group RDT Third Master Group RDT			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 806 10 20	roup	G	177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20	1	
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VOT Rank Trird VDT Rank Trird VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered First Master Group RDT Second Master Group RDT Third Master Group RDT Master Group RDT Master Group Rank Total Master Group Rank Threshhold Obtained			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 5 10 20 6 1st			177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20	1	·
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered First Mester Group RDT Second Master Group RDT Third Master Group RDT			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 5 10 20 6 1st	roup Total Order		177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20	1	
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered First Master Group RDT Second Master Group RDT Third Master Group RDT Master Group Rank Total Master Group Rank Total Master Group Rank Total Master Group Rank Threshhold Obtained			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 5 10 20 6 1st	Total Orde		177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20	1	
Quantity Ordered Collars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Third VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Weight Ordered Weight Ordered Weight Ordered First Master Group RDT Second Master Group RDT Third Master Group RDT Master Group Rank Total Master Group Rank Threshhold Obtained  Total Ordere Quantity Ordered Ouantity Ordered			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 5 10 20 6 1st			177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20	1	
Quantity Ordered Dollars Ordered Weight Ordered Group Volume Measurement First Senior Group VDT Second Senior Group VDT Third Senior Group VDT Third Senior Group VDT First VDT Rank Second VDT Rank Total Group Volume Ordered Group Volume Threshhold Obtained Group Rank Obtained  Master Group Unit Quantity Ordered Dollars Ordered Weight Ordered Weight Ordered First Master Group RDT Third Master Group RDT Third Master Group RDT Master Group RDT Third Master Group RDT Master Group Rank Total Master Group Rank Total Master Group Rank Threshhold Obtained			23 903 66 \$\$\$ 800 1500 2000 1 1 3 5		40 12003 806 5 10 20 6 1st	Total Order		177 11100 740 Guantity 15 30 100 5 10 17 17 1si		J	150 5000 16500 Pounds 6009 10000 50000 10 20 30 20 2nd 20	1	

Calculator 36

Unit Volume Calculator 148

Discount Determinator 150

Group Unit Allocator 152

MGU Determinator 154

Next VDT Determinator 156

FIG. 13